

**FAA APPROVED
ROTORCRAFT FLIGHT MANUAL
SUPPLEMENT
TO THE
EUROCOPTER AS 350 & AS 355 SERIES
ROTORCRAFT FLIGHT MANUAL
WHEN EQUIPPED WITH THE
AF200 CAMERA MOUNT AND COUNTER
WEIGHT ASSEMBLY**

REGISTRATION #: _____ SERIAL #: _____

The information in this supplement is FAA approved and must be attached to the appropriate FAA Approved Eurocopter Model AS 350 & AS 355 Series Rotorcraft Flight Manual when the Airfilm Model AF200 Camera Mount is installed in accordance with:

STC No. SR 1058 LA

The information contained in this document supplements or supersedes the basic manual only in those areas listed herein. For limitations, emergency procedures, normal procedures, and performance information not contained in this supplement, consult the basic FAA Approved Rotorcraft Flight Manual.

FAA APPROVED _____

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FAA REISSUE DATE: _____

September 8, 2004

Original Issue: 4 August 2000

Revised: 20 August 2000

LOG OF PAGES

Rev No.	Pg No	Date	Description of Change	FAA Approved
<u>Reissue</u>	<u>All</u>	8 Sept <u>2004</u>	<u>Changed address in header.</u>	<i>Patrick Power</i>
	2		Defined 2 mounts	
	2,3		New Pictures	<u>Mgr, Flight Test Branch</u> <u>ANM-160L,</u> <u>FAA, Los Angeles ACO,</u> <u>Transport Airplane Directorate</u>
	3		Defined night operations with light obstruction	<u>Date: <i>September 8, 2004</i></u>
	4		Limitations and Placards	

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SECTION I GENERAL

The Airfilm AF200 Camera Mount System consists of a frame structure that attaches externally to the aircraft. This frame structure will accommodate either a nose mounted or a left or right side mounted camera installation. A Counter Weight box containing weights which is attached to the landing gear aft cross tubes and hard point attachments located on the shoulder of the fuselage and is located under the tail boom for a nose mount or on the side opposite the camera. There are two mounts, a -1 or -2, both with the same fit & function. The counter weight is utilized to maintain the center of gravity within the rotorcraft limits.

A pitot tube extension hose is attached from the basic pitot tube to the pitot extension located on top of the camera sphere.



Figure 1 Front View with Camera Right Side



Figure 2. Side View with Camera Front

SECTION 2 LIMITATIONS

1. If a video monitor is installed it must be turned off at night or shaded from the pilot's view.
2. The camera package is limited to a maximum allowable frontal area of 9.62 sq. ft. and a weight of 275 lbs at any mounting location. The counter weight must be installed and ballast added to maintain the CG within limits.
3. Reduce published V_{NE} by 40 KIAS for aircraft with a 155 KIAS V_{NE} and by 35 KIAS for aircraft with a 150 KIAS V_{NE} with camera and counter weight installed.
4. Stow or secure control console prior to takeoff and landing.

5. If the camera mounted on the nose obscures the landing light or produces reflection in the cockpit and alternate landing light sources are not installed the landing light will be considered inoperative.

NOTE

Check operational rules for landing light requirements.

6. Pitot Heat must remain "OFF" or the circuit breaker pulled to prevent damage to the pitot tube with Auxiliary Pitot Tube installed.

PLACARDS

LIMITATIONS

Reduce the published V_{NE} by 40 KIAS for aircraft with a 155 KIAS V_{NE}
Reduce the published V_{NE} by 35 KIAS for aircraft with a 150 KIAS V_{NE}
with a camera and counter weight installed

The pitot heat must remain OFF and/or the circuit breaker pulled with the auxiliary
pitot tube installed

SECTION 3 EMERGENCY PROCEDURES

No change

SECTION 4 NORMAL PROCEDURES

1. External Inspection. Prior to the first flight each day the pilot shall visually inspect the following:

- (a) Pitot tube extension on nose mount configuration.
 - (b) All attachment points and hardware for security.
 - (c) Support structure for signs of stress, distortion, fatigue cracks or damage.
2. The mount and camera may be installed or removed by trained technician, or mechanic, and must be recorded in accordance with FAR 43.9.

SECTION 5 PERFORMANCE

When using climb performance charts a performance penalty of 100 feet per minute must be used.

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